

Title (en)
ACCESS CLOSURE WITH BLEED MONITORING

Title (de)
ZUGANGSVERSCHLUSS MIT ENTLÜFTUNGSÜBERWACHUNG

Title (fr)
FERMETURE D'ACCÈS AVEC SURVEILLANCE DE SAIGNEMENT

Publication
EP 3908177 A4 20230208 (EN)

Application
EP 20738375 A 20200110

Priority
• US 201962790906 P 20190110
• US 2020013002 W 20200110

Abstract (en)
[origin: US2020222036A1] A blood vessel access closure device includes an inner blood vessel wall support member and an outer blood vessel wall support member. The closure device also includes a deployment member and an electrode. The deployment member is configured to draw the inner and outer blood vessel wall support members towards each other when the inner and outer blood vessel wall members are deployed on opposite sides of a blood vessel wall during closure of a hole in the blood vessel wall. The electrode is configured to be attached to the deployment member and configured to be used to measure impedance.

IPC 8 full level
A61B 5/026 (2006.01); **A61B 17/00** (2006.01)

CPC (source: EP IL KR US)
A61B 5/0002 (2013.01 - IL); **A61B 5/02042** (2013.01 - EP IL KR); **A61B 5/053** (2013.01 - IL US); **A61B 5/0538** (2013.01 - EP IL KR); **A61B 5/6833** (2013.01 - EP IL KR); **A61B 5/6847** (2013.01 - EP IL KR); **A61B 5/688** (2013.01 - EP IL KR); **A61B 5/742** (2013.01 - EP IL KR); **A61B 5/746** (2013.01 - EP IL KR); **A61B 17/0057** (2013.01 - EP IL KR US); **A61B 17/06061** (2013.01 - EP IL KR); **A61B 17/06166** (2013.01 - KR); **A61B 5/0002** (2013.01 - EP); **A61B 2017/00004** (2013.01 - EP IL KR); **A61B 2017/00026** (2013.01 - EP IL KR); **A61B 2017/00115** (2013.01 - EP IL KR); **A61B 2017/00221** (2013.01 - EP IL KR); **A61B 2017/0065** (2013.01 - IL KR US); **A61B 2017/00654** (2013.01 - EP IL KR); **A61B 2017/00659** (2013.01 - EP IL KR); **A61B 2017/00663** (2013.01 - EP IL KR US); **A61B 2017/00951** (2013.01 - EP IL KR); **A61B 2017/0495** (2013.01 - EP IL KR); **A61B 2017/22038** (2013.01 - EP IL KR); **A61B 2505/05** (2013.01 - EP IL KR); **A61B 2560/0412** (2013.01 - EP IL KR); **A61B 2560/0431** (2013.01 - EP IL KR); **A61B 2560/0468** (2013.01 - EP IL KR); **A61B 2562/0209** (2013.01 - EP IL KR); **A61B 2562/043** (2013.01 - EP IL KR); **A61B 2562/166** (2013.01 - EP IL KR)

Citation (search report)
• [XYI] US 2012022562 A1 20120126 - WILLARD MARTIN [US]
• [A] US 2010222796 A1 20100902 - BRETT GERARD [IE], et al
• [A] US 2009177225 A1 20090709 - NUNEZ ANTHONY [US], et al
• [A] CN 106361332 A 20170201 - SUZHOU PINNOVATION MEDICAL TECH CO LTD
• [X] US 2009005777 A1 20090101 - Houser Russell A [US], et al
• [Y] US 2014288640 A1 20140925 - GINN RICHARD S [US], et al
• See also references of WO 2020146688A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 11224414 B2 20220118; **US 2020222036 A1 20200716**; AU 2020206354 A1 20210722; BR 112021012325 A2 20210831; CN 113438922 A 20210924; EP 3908177 A1 20211117; EP 3908177 A4 20230208; IL 284230 A 20210831; JP 2022518393 A 20220315; JP 2024012568 A 20240130; JP 7426732 B2 20240202; KR 20210120005 A 20211006; MX 2021008219 A 20210811; SG 11202106875P A 20210729; US 2022096069 A1 20220331; US 2024215968 A1 20240704; WO 2020146688 A1 20200716

DOCDB simple family (application)
US 202016738176 A 20200109; AU 2020206354 A 20200110; BR 112021012325 A 20200110; CN 202080008704 A 20200110; EP 20738375 A 20200110; IL 28423021 A 20210620; JP 2021540104 A 20200110; JP 2023192192 A 20231110; KR 20217024804 A 20200110; MX 2021008219 A 20200110; SG 11202106875P A 20200110; US 2020013002 W 20200110; US 202117548052 A 20211210; US 202418603125 A 20240312